

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 07187734
PUBLICATION DATE : 25-07-95

APPLICATION DATE : 24-12-93
APPLICATION NUMBER : 05327477

APPLICANT : SEKISUI CHEM CO LTD;

INVENTOR : NITTA KATSUZO;

INT.CL. : C04B 12/04 C04B 7/24 C04B 7/32 C04B 28/26 // (C04B 28/26, C04B 14:30
C04B 14:06, C04B 16:06), (C04B 28/26, C04B 14:06, C04B 16:06)

TITLE : CURABLE INORGANIC COMPOSITION

ABSTRACT : PURPOSE: To obtain a curable inorganic composition capable of producing an inorganic formed article having excellent strength and durability.

CONSTITUTION: This composition is composed of 100 pts.wt. of an inorganic powdery material comprising 0.5-80wt.% of one or more of aluminum based additives selected from the group consisting of alumina cement, γ -alumina, flame sprayed alumina and sodium meta-aluminate and 99.5-20wt.% of the flyash having activated surface and an average particle diameter of $\leq 6.0\mu\text{m}$ obtained by subjecting flyash to a pulverization treatment, 3-200 pts.wt. of an alkali-metal silicate and 3-200 pts.wt. of water.

COPYRIGHT: (C)1995,JPO

Best Available Copy

(C) WPI / DERWENT

XP-002389191

AN - 1995-290083 [38]

AP - JP19930327477 19931224

CPY - SEKI

DC - L02

FS - CPI

IC - C04B7/24 ; C04B7/32 ; C04B12/04 ; C04B28/26

MC - L02-C03 L02-C07

PA - (SEKI) SEKISUI CHEM IND CO LTD

PN - JP7187734 A 19950725 DW199538 C04B12/04 005pp

PR - JP19930327477 19931224

XA - C1995-130302

XIC - C04B-007/24 ; C04B-007/32 ; C04B-012/04 ; C04B-028/26 ; (C04B-014/06

C04B-014/30 C04B-016/06 C04B-028/26) ; (C04B-014/06 C04B-016/06

C04B-028/26)

AB - J07187734 Inorganic compsn. contains Al system additives contg. one or

more of alumina cement, gamma alumina, thermally sprayed alumina (in

total) 0.5-80 wt %, inorganic powder (by wt. rate) 100, which

contains fly-ash 99.5-20 wt % of average grain dia. less than 5.0

mm, with alkali metal silicate: 3-200 and water: 3-200.

- ADVANTAGE - Effective utilisation of fly-ash as industrial waste.

- (Dwg.0/0)

C - C04B28/26 C04B14/06 C04B14/30 C04B16/06 ;

- C04B28/26 C04B14/06 C04B16/06

IV - HARDEN INORGANIC COMPOSITION CONTAIN ALUMINIUM SYSTEM ADDITIVE

CONTAIN

ALUMINA CEMENT GAMMA ALUMINA THERMAL SPRAY ALUMINA INORGANIC POWDER

CONTAIN FLY ASH ALKALI METAL SILICATE

IKW - HARDEN INORGANIC COMPOSITION CONTAIN ALUMINIUM SYSTEM ADDITIVE

CONTAIN

ALUMINA CEMENT GAMMA ALUMINA THERMAL SPRAY ALUMINA INORGANIC POWDER

CONTAIN FLY ASH ALKALI METAL SILICATE

NC - 001

OPD - 1993-12-24

ORD - 1995-07-25

PAW - (SEKI) SEKISUI CHEM IND CO LTD

TI - Hardenability inorganic compsn. contg. aluminium system additives -

contains alumina cement, gamma alumina and/or thermally sprayed

alumina, inorganic powder which contains fly-ash and alkali metal

silicate

Best Available Copy